

What Is Claimed Is:

1. An image recording apparatus comprising:

information storing means for storing recording preset information constituted by a recording start time and a recording end time of each of preset programs for unattended recording, and by a program input route through which to input each of said preset programs;

overlap judging means for judging whether any of said preset programs for unattended recording overlap between the recording start times and the recording end times of the programs;

overlap warning means for warning of any overlapping preset programs that are judged to exist; and

priority presetting means for prioritizing the overlapping preset programs for unattended recording.

2. An image recording apparatus comprising:

information storing means for storing recording preset information constituted by a recording start time and a recording end time of each of preset programs for unattended recording, a program input route through which to input each of said preset programs, and an image recording quality;

overlap judging means for judging whether any of said preset programs for unattended recording overlap

between the recording start times and the recording end times of the programs;

simultaneous recording judging means for judging whether the overlapping preset programs can be recorded simultaneously;

overlap warning means for giving a warning if any of said overlapping preset programs are not judged to be simultaneously recordable; and

priority presetting means for prioritizing said overlapping preset programs for unattended recording.

3. An image recording apparatus comprising:

information storing means for storing recording preset information constituted by a recording start time and a recording end time of each of preset programs for unattended recording, a program input route through which to input each of said preset programs, and an image recording quality;

overlap judging means for judging whether any of said preset programs for unattended recording overlap between the recording start times and the recording end times of the programs;

determining means for determining whether the overlapping preset programs belong to a single compression-coded transport stream;

simultaneous recording judging means for judging whether said overlapping preset programs can be recorded simultaneously based on what is determined by said determining means;

overlap warning means for giving a warning if any of said overlapping preset programs are not judged to be simultaneously recordable; and

priority presetting means for prioritizing said overlapping preset programs for unattended recording.

4. An image recording apparatus comprising:

information storing means for storing recording preset information constituted by a recording start time and a recording end time of each of preset programs for unattended recording, a program input route through which to input each of said preset programs, and an image recording quality;

overlap judging means for judging whether any of said preset programs for unattended recording overlap between the recording start times and the recording end times of the programs;

simultaneous recording judging means for judging whether the overlapping preset programs can be recorded simultaneously;

overlap warning means for giving a warning if any

of said overlapping preset programs are not judged to be simultaneously recordable;

priority presetting means for prioritizing said overlapping preset programs for unattended recording;

multiplex recording means for multiplexing a plurality of programs into a single compression-coded transport stream for unattended recording; and

controlling means for controlling recording rates of said multiplex recording means during unattended recording in accordance with how said overlapping preset programs are prioritized by said priority presetting means.

5. An image recording method comprising the steps of:

storing recording preset information constituted by a recording start time and a recording end time of each of preset programs for unattended recording, and by a program input route through which to input each of said preset programs;

judging whether any of said preset programs for unattended recording overlap between the recording start times and the recording end times of the programs;

warning of any overlapping preset programs that are judged to exist; and

prioritizing the overlapping preset programs for
unattended recording.

6. An image recording method comprising the steps
of:

storing recording preset information constituted by
a recording start time and a recording end time of each
of preset programs for unattended recording, a program
input route through which to input each of said preset
programs, and an image recording quality;

judging whether any of said preset programs for
unattended recording overlap between the recording start
times and the recording end times of the programs;

judging whether the overlapping preset programs can
be recorded simultaneously;

giving a warning if any of said overlapping preset
programs are not judged to be simultaneously recordable;
and

prioritizing said overlapping preset programs for
unattended recording.

7. An image recording method comprising the steps
of:

storing recording preset information constituted by
a recording start time and a recording end time of each
of preset programs for unattended recording, a program

input route through which to input each of said preset programs, and an image recording quality;

judging whether any of said preset programs for unattended recording overlap between the recording start times and the recording end times of the programs;

determining whether the overlapping preset programs belong to a single compression-coded transport stream;

judging whether said overlapping preset programs can be recorded simultaneously based on what is determined in said determining step;

giving a warning if any of said overlapping preset programs are not judged to be simultaneously recordable; and

prioritizing said overlapping preset programs for unattended recording.

8. An image recording method comprising the steps of:

storing recording preset information constituted by a recording start time and a recording end time of each of preset programs for unattended recording, a program input route through which to input each of said preset programs, and an image recording quality;

judging whether any of said preset programs for unattended recording overlap between the recording start

times and the recording end times of the programs;

judging whether the overlapping preset programs can be recorded simultaneously;

giving a warning if any of said overlapping preset programs are not judged to be simultaneously recordable;

prioritizing said overlapping preset programs for unattended recording; and

changing rates of program recording in accordance with how said overlapping preset programs are prioritized, so that said overlapping preset programs are multiplexed into a single compression-coded transport stream for unattended recording.

9. A storage medium which stores a program in a manner readable by a computer, said program comprising the steps of:

storing recording preset information constituted by a recording start time and a recording end time of each of preset programs for unattended recording, and by a program input route through which to input each of said preset programs;

judging whether any of said preset programs for unattended recording overlap between the recording start times and the recording end times of the programs;

warning of any overlapping preset programs that are

judged to exist; and

prioritizing the overlapping preset programs for
unattended recording.

10. A storage medium which stores a program in a
manner readable by a computer, said program comprising
the steps of:

storing recording preset information constituted by
a recording start time and a recording end time of each
of preset programs for unattended recording, a program
input route through which to input each of said preset
programs, and an image recording quality;

judging whether any of said preset programs for
unattended recording overlap between the recording start
times and the recording end times of the programs;

judging whether the overlapping preset programs can
be recorded simultaneously;

giving a warning if any of said overlapping preset
programs are not judged to be simultaneously recordable;
and

prioritizing said overlapping preset programs for
unattended recording.

11. A storage medium which stores a program in a
manner readable by a computer, said program comprising
the steps of:

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storing recording preset information constituted by a recording start time and a recording end time of each of preset programs for unattended recording, a program input route through which to input each of said preset programs, and an image recording quality;

judging whether any of said preset programs for unattended recording overlap between the recording start times and the recording end times of the programs;

determining whether the overlapping preset programs belong to a single compression-coded transport stream;

judging whether said overlapping preset programs can be recorded simultaneously based on what is determined in said determining step;

giving a warning if any of said overlapping preset programs are not judged to be simultaneously recordable; and

prioritizing said overlapping preset programs for unattended recording.

12. A storage medium which stores a program in a manner readable by a computer, said program comprising the steps of:

storing recording preset information constituted by a recording start time and a recording end time of each of preset programs for unattended recording, a program

input route through which to input each of said preset programs, and an image recording quality;

judging whether any of said preset programs for unattended recording overlap between the recording start times and the recording end times of the programs;

judging whether the overlapping preset programs can be recorded simultaneously;

giving a warning if any of said overlapping preset programs are not judged to be simultaneously recordable;

prioritizing said overlapping preset programs for unattended recording; and

changing rates of program recording in accordance with how said overlapping preset programs are prioritized, so that said overlapping preset programs are multiplexed into a single compression-coded transport stream for unattended recording.